

ABSTRACT

A machine and method for corrugating a metal foil strip utilizes an enclosure defining a chamber and a controllable heat source for heating the chamber. The chamber may optionally include at least one gas that is also heated by the heat source. At least one tool set received in the chamber forms corrugations in the metal foil strip. Foil entry feeder elements supply and guide the metal foil strip from outside the chamber into the chamber and to the tool set. A drive for the tool set is mounted outside the chamber and coupled to the tool set to actuate the tool set. Foil exit delivery elements guide the strip from the tool set and out of the chamber. Where required to prevent oxidation of the foil strip, a source supplying an inert gas to the chamber at a controlled rate is used.